



DEPARTMENT OF THE ARMY

U.S. ARMY SPACE COMMAND
570 N. NEWPORT ROAD
COLORADO SPRINGS, COLORADO 80914-5000

SEP 14 1990

MOSEC-010

MEMORANDUM FOR Commander in Chief, US Space Command, Peterson
AFB, CO 80914-5003

SUBJECT: USARSPACE SUPPORT TO DESERT SHIELD

1. The following is an update to the support that USARSPACE is providing to Operation DESERT SHIELD utilizing the following space based/related assets:

a. Small Lightweight GPS Receiver (SLGR). Approximately 360 SLGRs have been deployed to the Tactical Area of Operations (TAO) through Fort Bragg, NC. Another 15 are currently on hand at USARSPACE and will be forwarded to units as required. The SLGR is still in great demand in the TAO. Telephone conversations with deployed users indicate a wide variety of uses which include use in OH-58 helicopters in support of field artillery observers coordinating Army attack helicopters and Air Force CAS. SLGRs are also getting extensive use in support of ground forces conducting training exercises over unfamiliar terrain at night and military police conducting convoy security between major assembly areas. Verbal reports from deployed personnel with access to SLGRs in the TAO indicate satisfaction with current accuracy and reliability. Trimble Navigation, Inc is due to ship the first 50 of the 1000 SLGRs purchased on 28 Sep 90. The Air Force SLGRs which the Air Force Space Command coordinated release to USARSPACE have been distributed to deployed SOCCENT and XVIII Abn Corps assets. USARSPACE POC for SLGR/GPS is CPT Scott Netherland at AV 554-6424.

b. Multi-spectral Imagery (MSI). USARSPACE continues to work with Fort Bragg, NC, Fort Hood, TX, and Fort Carson, CO to produce operational products using LANDSAT data and input from other sources. Points of contact in the TAO have stated that the current MSI products, in the form of black and white map sheets generated by 30th Engineer Bn (TOPO), are being used by field commanders in conjunction with Defense Mapping Agency (DMA) maps of the area. The MSI products are more current than the DMA maps and provide the commanders another perspective of the area. Improvements are currently being made to the MSI products to be distributed that will include better resolution and color products. USARSPACE POC is MAJ John McMurray at AV 692-6424.

MOSEC-010

SUBJECT: USARSPACE SUPPORT TO DESERT SHIELD

c. Tactical Event Reporting System (TERS). The TERS equipment is operational and supporting tactical commanders. An ongoing effort is being made to reduce the reporting times to the tactical Army and Air Force users of the data by using a direct Defense Satellite Communication System link. USARSPACE has maintained close coordination with USSPACECOM, AFSPACECOM, and DA POCs. For additional information on this project contact CPT Doug Lobdell at AV 692-6433.

d. Defense Satellite Communication System (DSCS). Communications support through DSCS remains unchanged. The CONUS RSSC remains on a 24 hour per day basis and Europe is now on a 16 hour a day schedule. When USARSPACE assumes command of the DSCS control facilities on 1 Oct 90, support to the tactical and strategic users will be continued ensuring reliable satellite communications over the DSCS satellite. Point of contact for DSCS is Mr. Mike Winchester, AV 692-6438.

2. USARSPACE is actively seeking means of providing space related support to deployed forces while ensuring that all required points of contact are informed of actions or proposed actions. The overall point of contact at USARSPACE for Operation Desert Shield is Mr Bill Whelan, (719) 554- 6433 or AV 692-6433. The Army Space Operations Center is operational 24 hours a day at (719) 554-6446/8026 or AV 692-6446/8026.



RONAN I. ELLIS
COL, FA
COMMANDING